

## ABSTRACT

A hand-held stun gun incapacitates a human target by generating a series of powerful electrical output pulses of pulse energy of from 0.9 Joules to 10 Joules which generate a series of output current pulses have an RMS current flow of from 100 milliamps to 500 milliamps when the first and second output terminals are applied to a human target. A battery power supply includes an electronic switch, an energy storage capacitor and a transformer for converting low voltage, direct current into a series of high voltage output pulses.